

#3



PCT09

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/830,838

DATE: 02/25/2002

TIME: 10:10:31

Input Set : A:\1803-0296-999.txt

Output Set: N:\CRF3\02252002\I830838.raw

ENTERED

```

5 <110> APPLICANT: HABERHAUSEN, GERD
7     KASPER, PIA
9     KESSLER, CHRISTOPH
13 <120> TITLE OF INVENTION: New primers and probes for the detection of HIV
17 <130> FILE REFERENCE: 4933
21 <140> CURRENT APPLICATION NUMBER: 09/830,838
23 <141> CURRENT FILING DATE: 2001-04-30
27 <160> NUMBER OF SEQ ID NOS: 26
31 <170> SOFTWARE: PatentIn version 3.1
35 <210> SEQ ID NO: 1
37 <211> LENGTH: 62
39 <212> TYPE: DNA
41 <213> ORGANISM: Human immunodeficiency virus
45 <400> SEQUENCE: 1
46 agggaaccca ctgcttaagc ctcaataaag cttgccttga gtgcttcaag tagtgtgtgc      60
48 gc                                                                    62
51 <210> SEQ ID NO: 2
53 <211> LENGTH: 62
55 <212> TYPE: DNA
57 <213> ORGANISM: Human immunodeficiency virus
61 <400> SEQUENCE: 2
62 ttgactagc ggaggctaga aggagagaga tgggtgagag agcgctcagta ttaagcgggg      60
64 ga                                                                    62
67 <210> SEQ ID NO: 3
69 <211> LENGTH: 62
71 <212> TYPE: DNA
73 <213> ORGANISM: Human immunodeficiency virus
76 <400> SEQUENCE: 3
77 attttaaaag cattgggacc agcggctaca ctagaagaaa tgatgacagc atgtcagggg      60
79 gt                                                                    62
82 <210> SEQ ID NO: 4
84 <211> LENGTH: 54
86 <212> TYPE: DNA
88 <213> ORGANISM: Human immunodeficiency virus
92 <400> SEQUENCE: 4
93 cttaaaggaag ctctattaga tacaggagca gatgatacag tattagaaga aatg          54
96 <210> SEQ ID NO: 5
98 <211> LENGTH: 59
100 <212> TYPE: DNA
102 <213> ORGANISM: Human immunodeficiency virus
106 <400> SEQUENCE: 5
107 tggaaaccaa aaatgatagg gggaattgga ggttttatca aagtaagaca gatatgatca      59
110 <210> SEQ ID NO: 6

```

RAW SEQUENCE LISTING

DATE: 02/25/2002

PATENT APPLICATION: US/09/830,838

TIME: 10:10:32

Input Set : A:\1803-0296-999.txt

Output Set: N:\CRF3\02252002\I830838.raw

```

112 <211> LENGTH: 65
114 <212> TYPE: DNA
116 <213> ORGANISM: Human immunodeficiency virus
120 <400> SEQUENCE: 6
121 actgtaccag taaaattaaa gccaggaatg gatggcccaa aagttaaaca atggccattg      60
123 acaga                                                                    65
126 <210> SEQ ID NO: 7
128 <211> LENGTH: 53
130 <212> TYPE: DNA
132 <213> ORGANISM: Human immunodeficiency virus
136 <400> SEQUENCE: 7
137 caatacatgg atgatttgta tgtaggatct gacttagaaa tagggcagca tag          53
140 <210> SEQ ID NO: 8
142 <211> LENGTH: 76
144 <212> TYPE: DNA
146 <213> ORGANISM: Human immunodeficiency virus
150 <400> SEQUENCE: 8
151 aaggaaaagg tctatctggc atgggtacca gcacacaagg aattggagga aatgaacaag      60
153 tagataaatt agtcag                                                         76
156 <210> SEQ ID NO: 9
158 <211> LENGTH: 67
160 <212> TYPE: DNA
162 <213> ORGANISM: Human immunodeficiency virus
166 <400> SEQUENCE: 9
167 aaatagtagc cagctgtgat aaatgtcagc taaaaggaga agccatgcat ggacaagtag      60
169 actgtag                                                                    67
172 <210> SEQ ID NO: 10
174 <211> LENGTH: 59
176 <212> TYPE: DNA
178 <213> ORGANISM: Human immunodeficiency virus
182 <400> SEQUENCE: 10
183 caggaatttg gaattcccta caatccccaa agtcaaggag tagtagaatc tatgaataa      59
186 <210> SEQ ID NO: 11
188 <211> LENGTH: 101
190 <212> TYPE: DNA
192 <213> ORGANISM: Human immunodeficiency virus
196 <400> SEQUENCE: 11
197 aaaattcaaa attttcgggt ttattacagg gacagcagaa atccactttg gaaaggacca      60
199 gcaaagctcc tctggaaagg tgaaggggca gtagtaatac a                          101
202 <210> SEQ ID NO: 12
204 <211> LENGTH: 62
206 <212> TYPE: DNA
208 <213> ORGANISM: Human immunodeficiency virus
212 <400> SEQUENCE: 12
213 agggattatg gaaaacagat ggcaggtgat gattgtgtgg caagtagaca ggatgaggat      60
215 ta                                                                        62
218 <210> SEQ ID NO: 13
220 <211> LENGTH: 97
222 <212> TYPE: DNA

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/830,838

DATE: 02/25/2002

TIME: 10:10:32

Input Set : A:\1803-0296-999.txt

Output Set: N:\CRF3\02252002\I830838.raw

```

224 <213> ORGANISM: Human immunodeficiency virus
228 <400> SEQUENCE: 13
229 tggcaactag attgtacaca tttagaagga aaagttatcc tggtagcagt tcatgtagcc      60
231 agtggatata tagaagcaga agttattcca gcagaaa                                97
234 <210> SEQ ID NO: 14
236 <211> LENGTH: 20
238 <212> TYPE: DNA
240 <213> ORGANISM: Human immunodeficiency virus
244 <400> SEQUENCE: 14
245 tacctggcat gggtagcaggc                                                  20
248 <210> SEQ ID NO: 15
250 <211> LENGTH: 26
252 <212> TYPE: DNA
254 <213> ORGANISM: Human immunodeficiency virus
258 <400> SEQUENCE: 15
259 gactaattta tctacttggt catttc                                          26
262 <210> SEQ ID NO: 16
264 <211> LENGTH: 18
266 <212> TYPE: DNA
268 <213> ORGANISM: Human immunodeficiency virus
272 <400> SEQUENCE: 16
273 cacacaaagg aattggag                                                  18
276 <210> SEQ ID NO: 17
278 <211> LENGTH: 20
280 <212> TYPE: DNA
282 <213> ORGANISM: Human immunodeficiency virus
286 <400> SEQUENCE: 17
287 tttggaattc cctacaatcc                                                  20
290 <210> SEQ ID NO: 18
292 <211> LENGTH: 26
294 <212> TYPE: DNA
296 <213> ORGANISM: Human immunodeficiency virus
300 <400> SEQUENCE: 18
301 aattctttat tcatagattc tactac                                          26
304 <210> SEQ ID NO: 19
306 <211> LENGTH: 15
308 <212> TYPE: DNA
310 <213> ORGANISM: Human immunodeficiency virus
314 <400> SEQUENCE: 19
315 cccaaagtca aggag                                                      15
318 <210> SEQ ID NO: 20
320 <211> LENGTH: 24
322 <212> TYPE: DNA
324 <213> ORGANISM: Human immunodeficiency virus
328 <400> SEQUENCE: 20
329 tcaaaatttt cgggtttatt acag                                           24
332 <210> SEQ ID NO: 21
334 <211> LENGTH: 20
336 <212> TYPE: DNA

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/830,838

DATE: 02/25/2002

TIME: 10:10:32

Input Set : A:\1803-0296-999.txt

Output Set: N:\CRF3\02252002\I830838.raw

```

338 <213> ORGANISM: Human immunodeficiency virus
342 <400> SEQUENCE: 21
343 agctttgctg gtcctttcca                                20
346 <210> SEQ ID NO: 22
348 <211> LENGTH: 19
350 <212> TYPE: DNA
352 <213> ORGANISM: Human immunodeficiency virus
356 <400> SEQUENCE: 22
357 ggacagcaga aatccactt                                19
360 <210> SEQ ID NO: 23
362 <211> LENGTH: 26
364 <212> TYPE: DNA
366 <213> ORGANISM: Human immunodeficiency virus
370 <400> SEQUENCE: 23
371 gcaactagat tgtacacatt tagaag                        26
374 <210> SEQ ID NO: 24
376 <211> LENGTH: 25
378 <212> TYPE: DNA
380 <213> ORGANISM: Human immunodeficiency virus
384 <400> SEQUENCE: 24
385 cttctatata tccactggct acatg                          25
388 <210> SEQ ID NO: 25
390 <211> LENGTH: 23
392 <212> TYPE: DNA
394 <213> ORGANISM: Human immunodeficiency virus
398 <400> SEQUENCE: 25
399 gaaaagttat cctggtagca gtt                            23
403 <210> SEQ ID NO: 26
405 <211> LENGTH: 26
407 <212> TYPE: DNA
409 <213> ORGANISM: Human immunodeficiency virus
413 <400> SEQUENCE: 26
414 ctactactccttgactttggggattg                          26

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/830,838

DATE: 02/25/2002

TIME: 10:10:33

Input Set : A:\1803-0296-999.txt

Output Set: N:\CRF3\02252002\I830838.raw